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Digital Diagnostic Commands-1

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Chapter 1   Digital Diagnostic Commands

1.1 show interface port transceiver

[Function]

Show performance parameter value and threshold value, etc. information of optical module.

[Command format]

show interface port [*port-list*] **transceiver** [*threshold-violations*] [*detail]*

[Parameter]

port-list: port list.

threshold-violations: information of threshold-violation.

detail: details.

[Command Modes]

Privileged EXEC mode, Privileged user

[Executing Command Instruction]

Use this command to show performance parameter value and threshold value, etc. information of optical module.

[Explanation of command execution echo]

Raisecom#**show interface port** [*port-list*] **transceiver**

If device is externally calibrated, only calibrated values are printed.
++ : high alarm, ,+ : high warning,   - : low warning,   -- : low alarm.
Tx: transmit, Rx: receive,mA: milliamperes.

		supply	*Tx bias*	*Optical*	*Optical*
	Temperature	*Voltage*	*Current*	*Tx Power*	*Rx Power*
Port	*(Celsius)*	*(Volts)*	*(mA)*	*(dBm)*	*(dBm)*

Raisecom# **show interface port** [*port-list*] **transceiver** *detail*

transceiver trap:<transceiver trap switch>
++ : high alarm,   + : high warning,   - : low warning, -- : low alarm.
The threshold values are calibrated.

		High Alarm	*High Warn*	*Low Warn*	*Low Alarm*
	Temperature	*Threshold*	*Threshold*	*Threshold*	*Threshold*
Port	*(Celsius)*	*(Celsius)*	*(Celsius)*	*(Celsius)*	*(Celsius)*

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		High Alarm	*High Warn*	*Low Warn*	*Low Alarm*
	supply voltage	*Threshold*	*Threshold*	*Threshold*	*Threshold*
Port	*(Volts)*	*(Volts)*	*(Volts)*	*(Volts)*	*(Volts)*

Port	TX bias Current (mA)	High Alarm Threshold (mA)	High Warn Threshold (mA)	Low Warn Threshold (mA)	Low Alarm Threshold (mA)

Port	Optical Transmit Power (dBm)	High Alarm Threshold (dBm)	High Warn Threshold (dBm)	Low Warn Threshold (dBm)	Low Alarm Threshold (dBm)

Port	Optical Receive Power (dBm)	High Alarm Threshold (dBm)	High Warn Threshold (dBm)	Low Warn Threshold (dBm)	Low Alarm Threshold (dBm)

Raisecom#**show interface port** [*port-list*] **transceiver** *threshold violations*

DDDD: days, HH: hours, MM: minutes, SS: seconds

Port	Time since Last Known Threshold Violation (DDDD:HH:MM:SS)	Type(s) of Last Known Threshold Violation(s)

[Example]

Review port 2 digital diagnostic parameters:

Raisecom# **show interface** *port 2* **transceiver**

[Related commands]

Commands	Description
snmp trap transceiver	Enable/disable send parameter state abnormal trap.

1.2 snmp trap transceiver

[Function]

Enable/disable send parameter state abnormal trap.

[Command format]

snmp trap transceiver *{enable|disable}*

[Parameter]

enable: enable transceiver traps.

disable: disable transceiver traps.

[Default]

enable

[Command Modes]

Global configuration mode, Privileged user

[Executing Command Instruction]

Use this command to enable/disable send parameter state abnormal trap.

[Explanation of command execution echo]

Set successfully.

[Example]

Disable transceiver parameter abnormal traps:

Raisecom(config)#**snmp trap transceiver** *disable*

[Related commands]

Commands	Description
show interface transceiver detail	Show digital diagnostic details.